

## ABSTRACT OF THE DISCLOSURE

A planetary gear for mounting on an electromotor is proposed, in which higher efficiency is achieved by positioning a sealing element (22) between a housing (2) and a sun gear shaft (4) on the input side, axially outside a receiving area (16) for the output shaft of the electric motor, in an axial section of the sun gear shaft (4) with an outer reduced diameter compared to the receiving area (16).